Docket No.: 0975.1005-008

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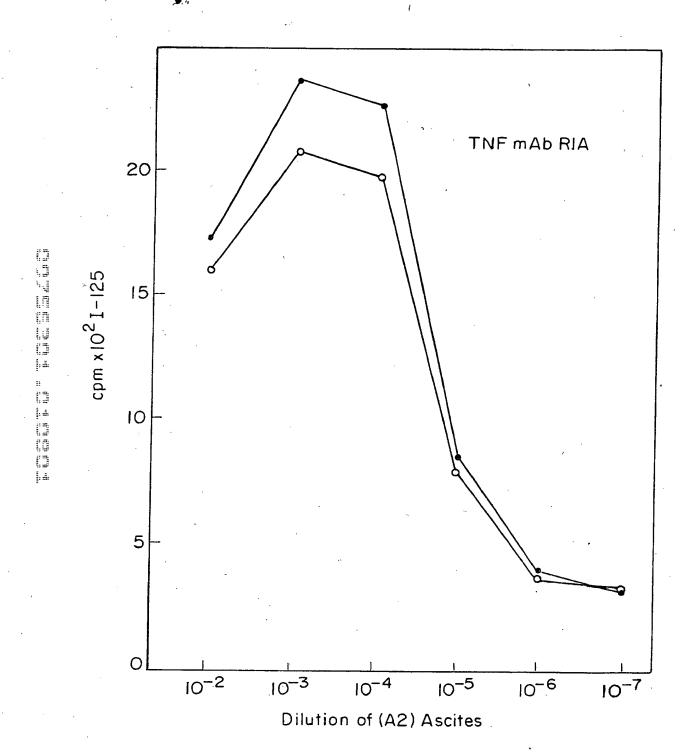
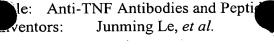


FIG. 1

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Docket No.: 0975.1005-008

le: Anti-TNF Antibodies and Pepti



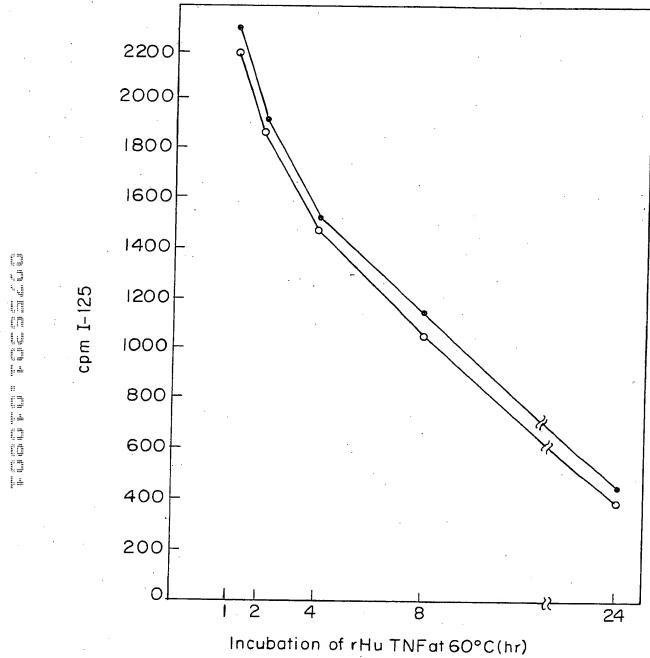


FIG. 2

APPROVED	-:-	7. F	FIG.	
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Docket No.: 0975.1005-008 Anti-TNF Antibodies and Peptides...

Junming Le, et al.

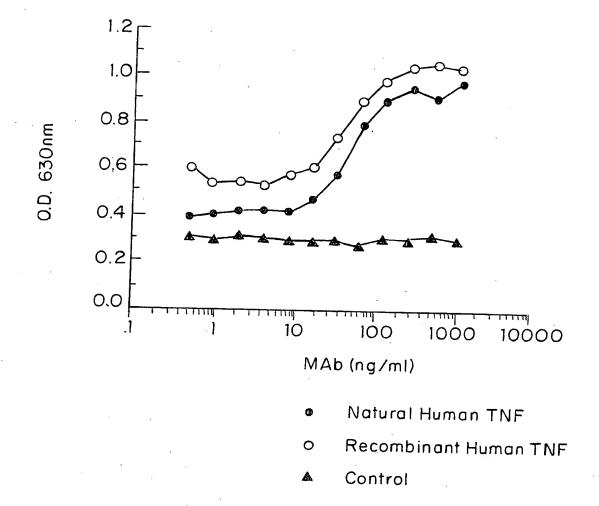


FIG. 3

APPROVE G.G. FIG.

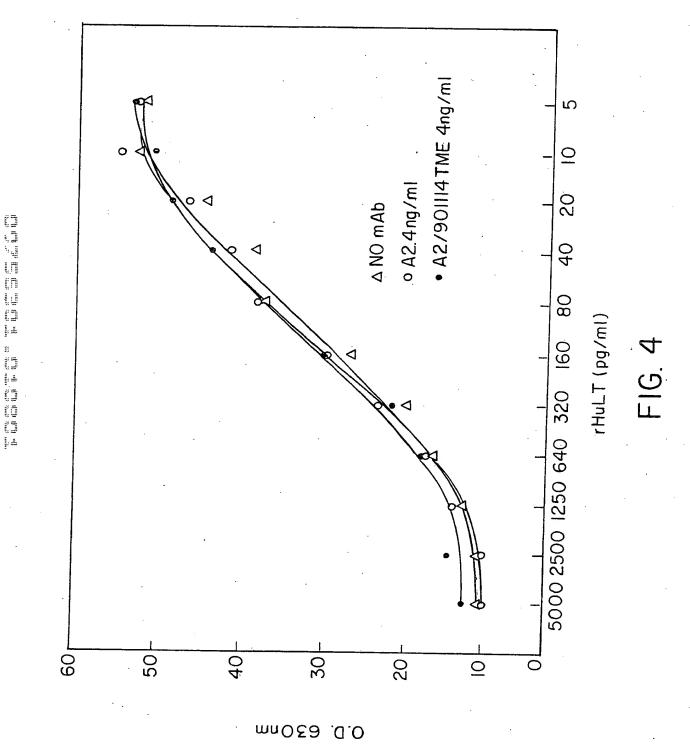
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Title Anti-TNF Antibodies and Peptides...

involves: Junming Le, et al.

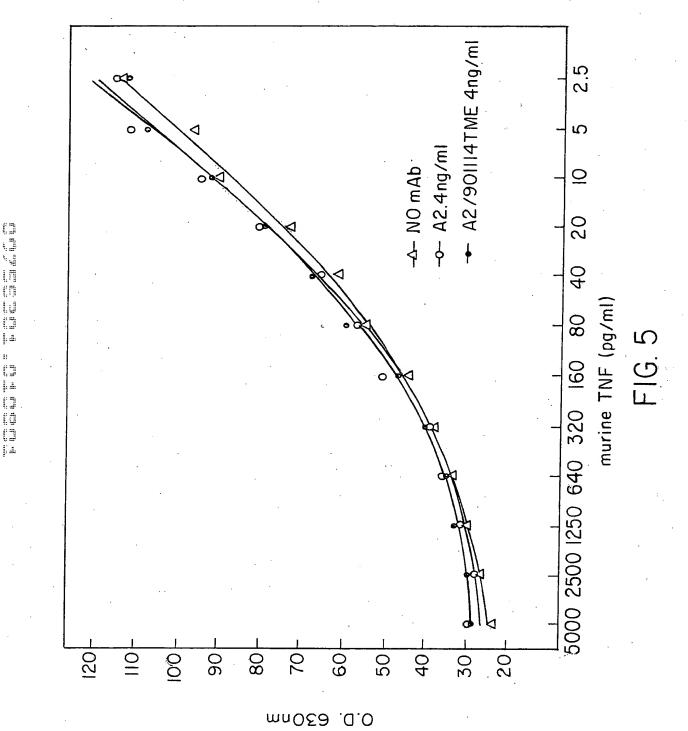


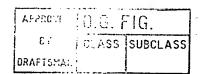
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Anti-TNF Antibodies and Peptides. Inv

Junming Le, et al.

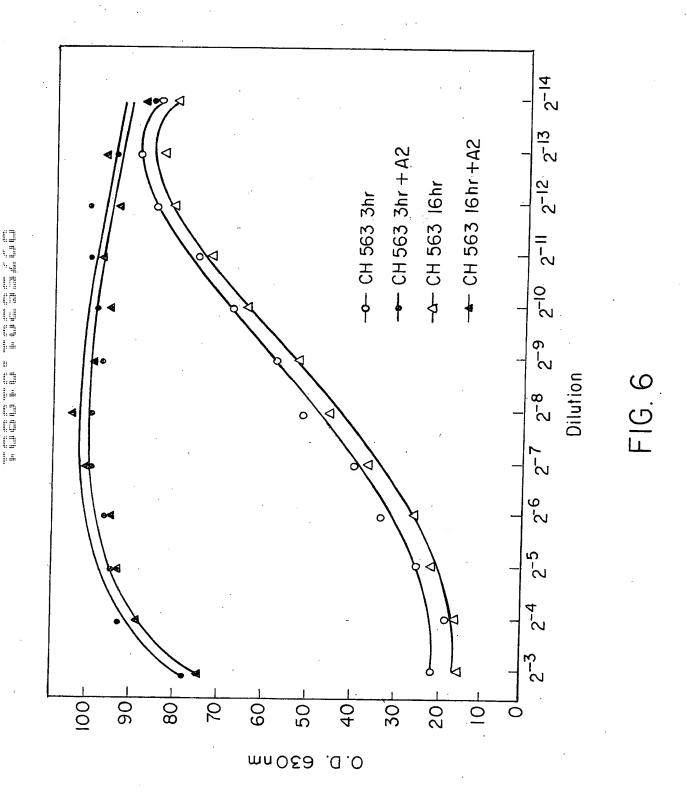




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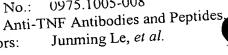
Anti-TNF Antibodies and Peptides.

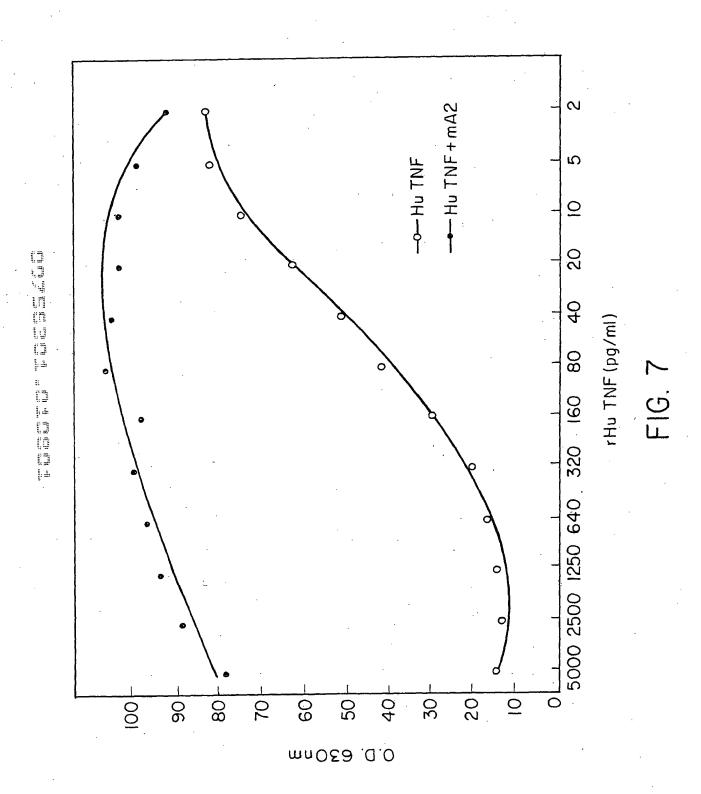
Inventors: Junming Le, et al.



APPEDY	10.3.	C.G. FIG.	
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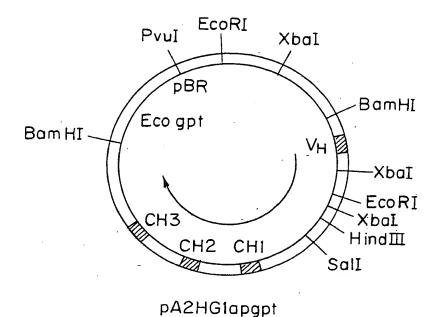


FIG. 8A

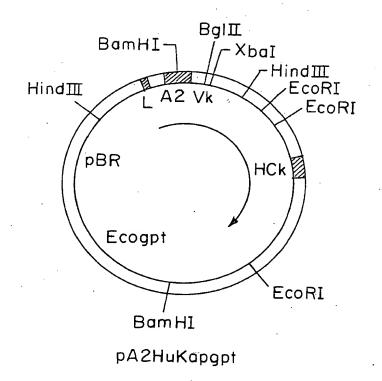


FIG. 8B

APPROVED O.G. FIG.

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Docket No.: 0975.1005-008

Anti-TNF Antibodies and Peptides

Inventors: Junming Le, et al.

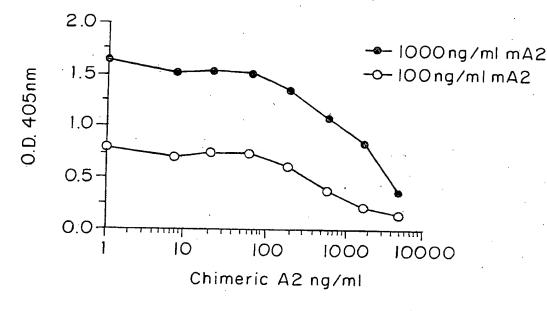


FIG. 9A

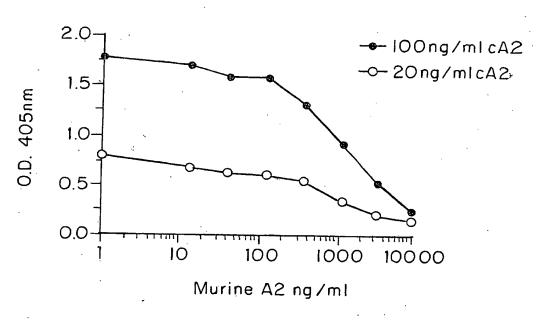
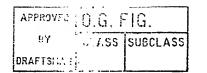


FIG. 9B



Docket No.: 0975.1005-008
le: Anti-TNF Antibodies and Pepti
Leventors: Junming Le, et al.

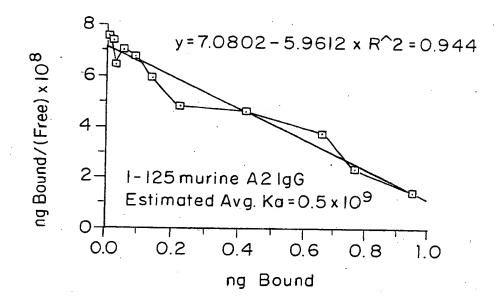


FIG. 10A

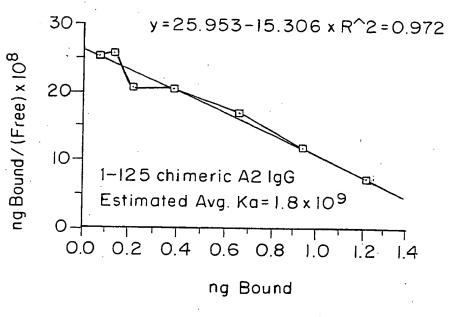
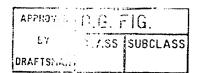


FIG. 10B



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e: Anti-TNF Antibodies and Pepti entors: Junming Le, et al.

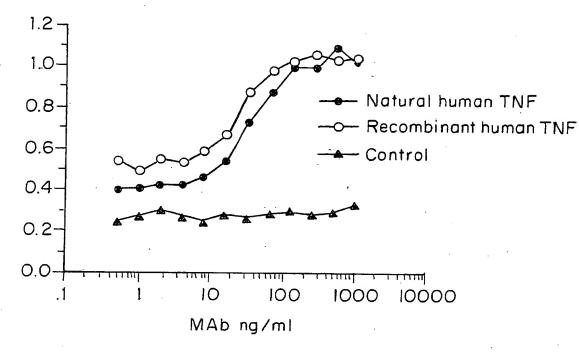


FIG. 11

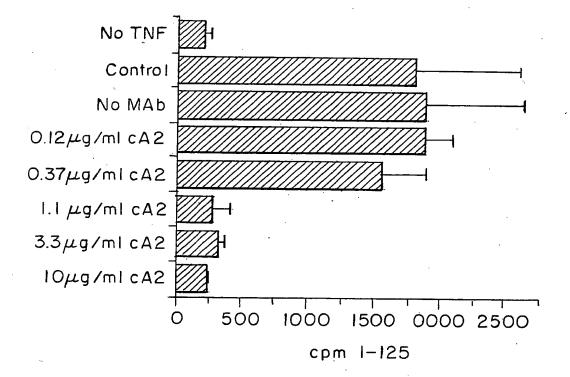


FIG. 12

0975.1005-008 Docket No .:

Ile

 $\operatorname{Thr}$ 

His

Anti-TNF Antibodies and Peptid

Pro

Ser

Lys

Ile

Leu

Ile

Junming Le, et al. ventors:

Pro Ala Asn Val Val His Ala Val Pro . Lys Asp 10 Ser Pro  $\operatorname{Thr}$ Arg Ser Ser Ser

Val

21

Gly Ala Asn Leu Leu Ala Asn Ala Arg Arg Asn Leu  $\operatorname{Trp}$ Gln Leu Gln G1yGlu Ala Gln

50 Val Val Leu Gln Asn Asp Arg Glu Leu

Ser TyrLen TyrLeu GlyGlu Ser Pro

 $\operatorname{Thr}$ Leu Thr His Ser Pro Cys Gln Gly GlyPhe Lys

Ala Leu Ser Val 90 Gln Ser Val

Ala

Arg

Ser

Gln

Cys

101

121 Gly

Len

Val

61 Gln

Val

41

Leu 110 Glu Ala Lys Pro Asn Leu Val Lys  $\operatorname{Thr}$ Ala Glu Gly  $\mathtt{T}\mathtt{Y}\mathtt{r}$ Pro

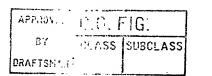
Glu Pro  $\operatorname{Tyr}$  $\mathtt{Trp}$ 130  $\operatorname{Thr}$ Glu

Pro Arg Asn Ile Glu Ala Ser Leu Arg Asp Gly Lys Glu Gln Leu Phe Gly Val

Asp

Leu Ala IleIle Tyr Phe Gly 150 Val Gln GlySer Glu Phe Ala Asp Leu 141 Tyr

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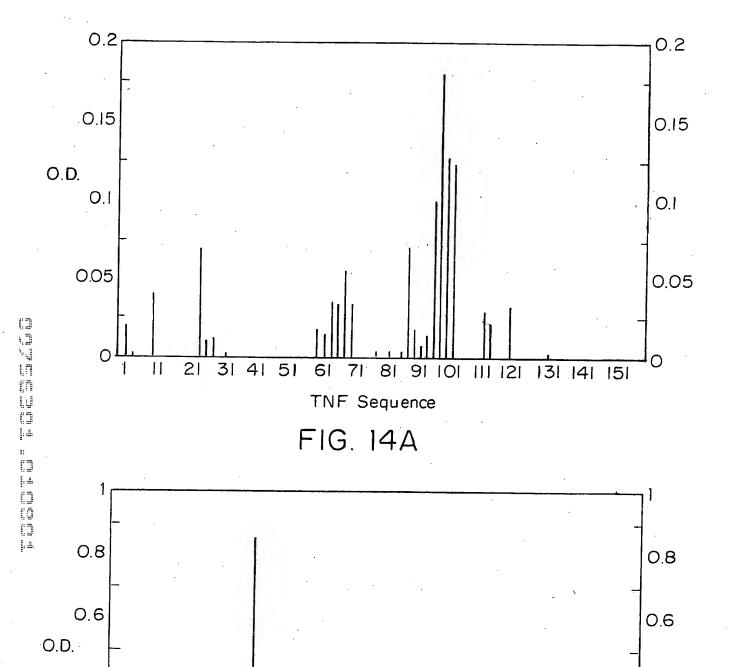
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tle: Anti-TNF Antibodies and Pept

Junming Le, et al.



TNF Sequence FIG. 14B

71

81

91

101 111

121

131 141

0.4

0.2

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Anti-TNF Antibodies and Peptides.

Junming Le, et al.

In

Pro GlyAsn Asn Ala Ala Leu Leu Ala Val His Val Arg Arg Ala Asn Ala Pro Val Lys Asp Asn 30 Leu Ser Trp Pro Gln  $\operatorname{Thr}$ Leu Ser Arg Gln G1ySer Glu Ser Ala Arg

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10

ı Val

Gln

Ser Tyr Ile Leu  $\operatorname{Tyr}$ Gly Leu Glu Ser ProVal Val Leu Gln Asn Asp Arg Glu Leu Val

Ile $\operatorname{Thr}$ His Leu Leu Thr His Val  $\operatorname{Thr}$ Ser Pro 70 Cys Gln Gly GlyLys Leu Phe Val Gln

Pro Ser Lys Ile Ala Ser Leu Leu Asn Val Lys 90  $\operatorname{Thr}$ Gln TyrSer Val Ala Ile Arg Ser

Leu IIeTyr Glu Pro Pro Trp LysAla 110 Glu Ala Gly Glu Pro  $\operatorname{Thr}$ Glu Arg Gln Cys 101

Asp Pro ; Arg Asn Ile Glu Ala Ser Len Arg Asp 150 Val G1yLys Glu Gln Leu Phe Gly Val Leu Asp 121 Gly 141 Tyr

130

Leu

Ala

Ile

Ile

Phe Gly

Tyr

Gly Gln

Ser

Glu

Ala

Phe

Oocket No.: 0975.1005-008

e: Anti-TNF Antibodies and Pepti

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Junming Le, et al.

GACATCTTGCTGACTCAGTCTCCAGCCATCCTGTCTGTGAGTCCAGGAGAAAGAGTCAGT  ${\tt AspIleLeuLeuThrGlnSerProAlaIleLeuSerValSerProGlyGluArgValSer}$ 

TTCTCCTGCAGGGCCAGTCAGTTCGTTGGCTCAAGCATCCACTGGTATCAGCAAAGAACA PheSerCysArgAlaSerGlnPheValGlySerSerIleHisTrpTyrGlnGlnArgThr AATGGTTCTCCAAGGCTTCTCATAAAGTATGCTTCTGAGTCTATGTCTGGGATCCCTTCC  ${\tt AsnGlySerProArgLeuLleLysTyrAlaSerGluSerMetSerGlyIleProSer}$ 

 ${\tt ArgPheSerGlySerGlyThrAspPheThrLeuSerIleAsnThrValGluSer}$ AGGTTTAGTGGCAGTGGATCAGGGACAGATTTTACTCTTAGCATCAACACTGTGGAGTCT

GAAGATATTGCAGATTATTACTGTCAAGAAAGTCATAGCTGGCCATTCACGTTCGGCTCG  ${\tt GluAspIleAlaAspTyrTyrCysGlnGlnSerHisSerTrpProPheThrPheGlySer}$ 

GGGACAAATTTGGAAGTAAAA GlyThrAsnLeuGluValLys FIG. 167

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Antibodies and Peptides

Junming Le, et al.

GAAGTGAAGCTTGAGGAGTCTGGAGGATTTGGTGCAACCTGGAGGATCCATGAAACTC GluValLysLeuGluGluSerGlyGlyGlyLeuValGlnProGlyGlySerMetLysLeu

 ${\tt SerCysValAlaSerGlyPheIlePheSerAsnHisTrpMetAsnTrpValArgGlnSer}$ TCCTGTGTTGCCTCTGGATTCATTTTCAGTAACCACTGGATGAACTGGGTCCGCCAGTCT

CCAGAGAAGGGGCTTGAGTTGCTGAAATTAGATCAAAATCTATTAATTCTGCAACA  $\tt ProGluLysGlyLeuGluTrpValAlaGluIleArgSerLysSerIleAsnSerAlaThr$ 

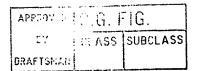
HisTyrAlaGluSerValLysGlyArgPheThrIleSerArgAspAspSerLysSerAla CATTATGCGGAGTCTGTGAAAGGGAGGTTCACCATCTCAAGAGAGATGATTCCAAAAGTGCT

 ${\tt ValTyrLeuGlnMetThrAspLeuArgThrGluAspThrGlyValTyrTyrCysSerArg}$ GTGTACCTGCAAATGACCGACTTAAGAACTGAAGACACTGGCGTTTATTACTGTTCCAGG

AATTACTACGGTAGTACCTACGACTACTGGGGCCAAGGCACCACTCTCACAGTGTCC  ${ t AsnTyrTyrGlySerThrTyrAspTyrTrpGlyGlnGlyThrThrLeuThrValSer}$ 

16B FIG.

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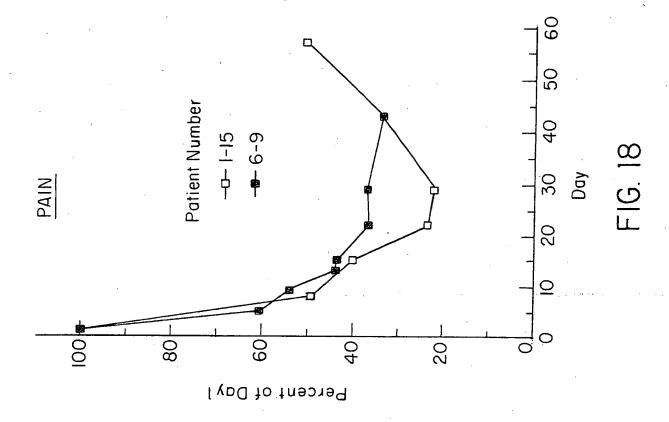


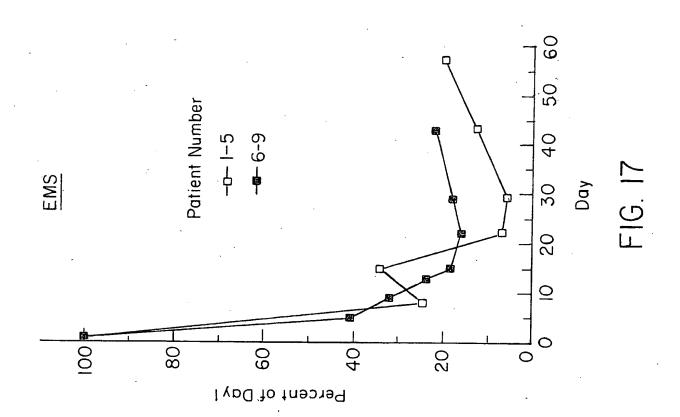
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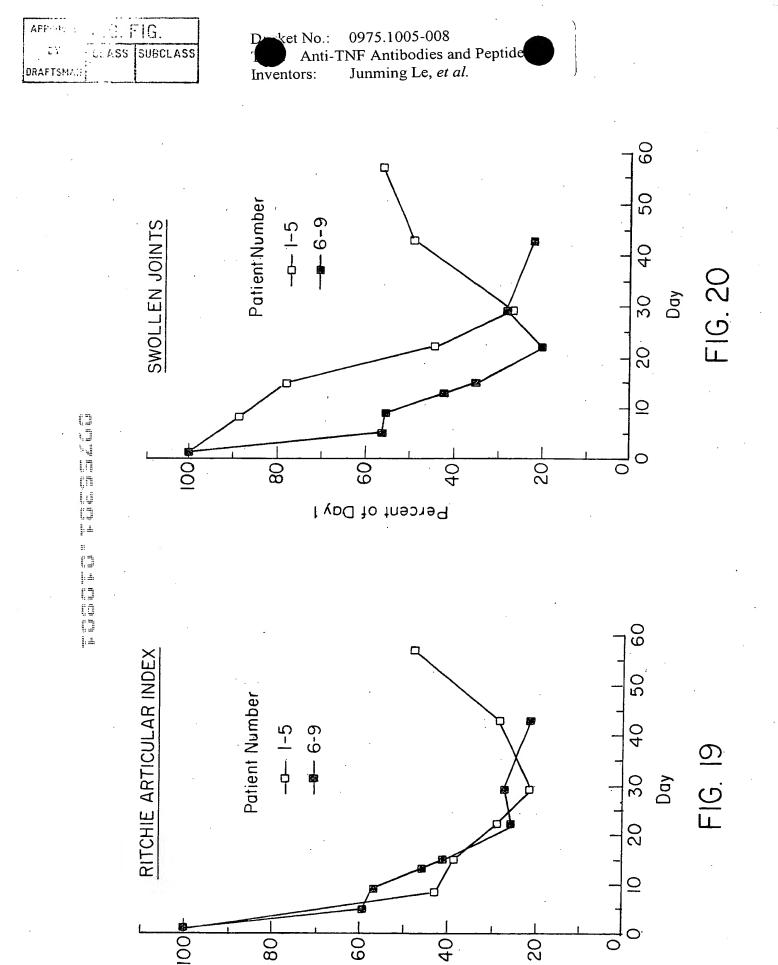
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Docket No.: 0975.1005-008
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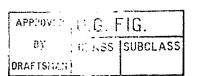
Inventors: Junming Le, et al.





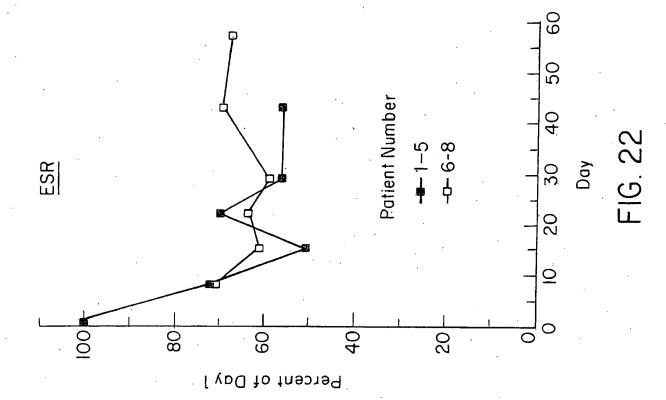


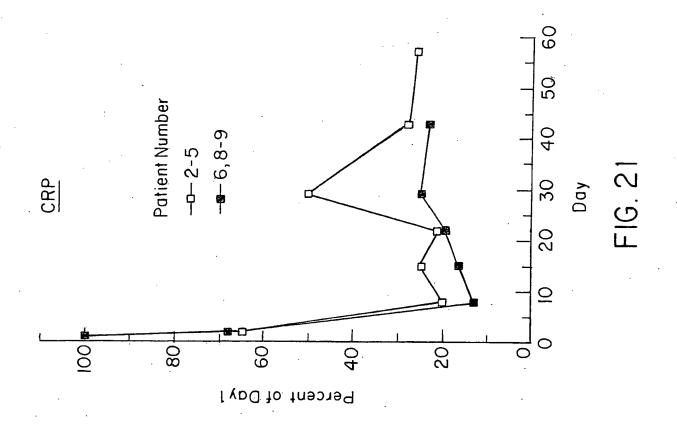
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Docket No.: 0975.1005-008
Titles Anti-TNF Antibodies and Peptides...
Inventors: Junming Le, et al.





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Docket No .: 0975.1005-008 Anti-TNF Antibodies and Peptides.

Ors: Junming Le, et al.

Inventors:

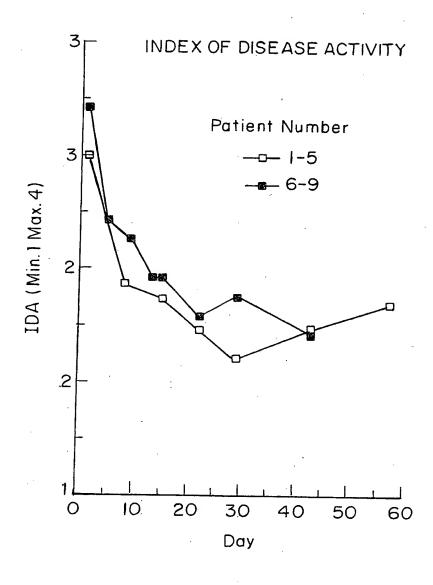
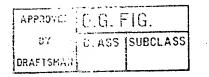


FIG. 23

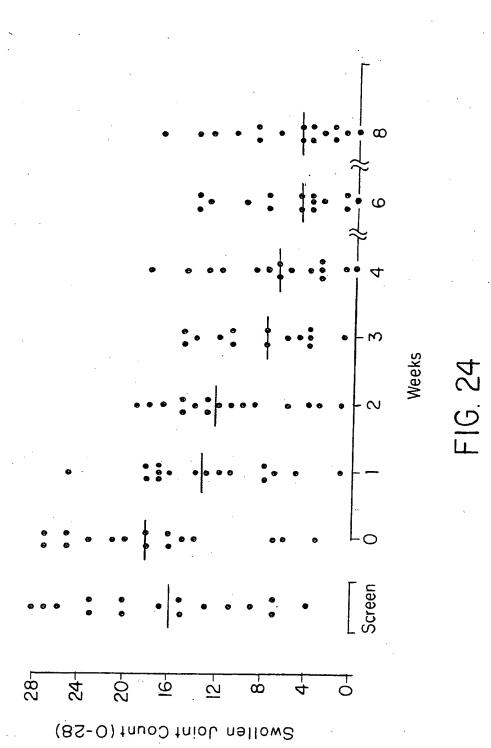


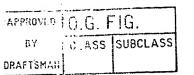
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Anti-TNF Antibodies and Peptide Junming Le, et al.

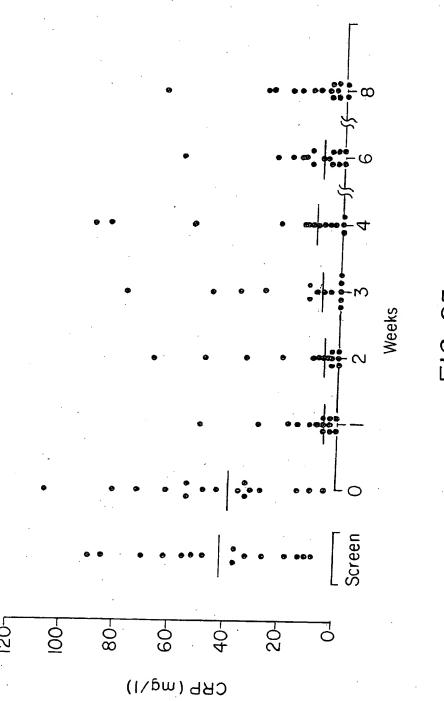




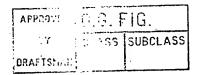
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Anti-TNF Antibodies and Peptide

Anti-TNF Antibodies and Peraitors: Junming Le, et al.



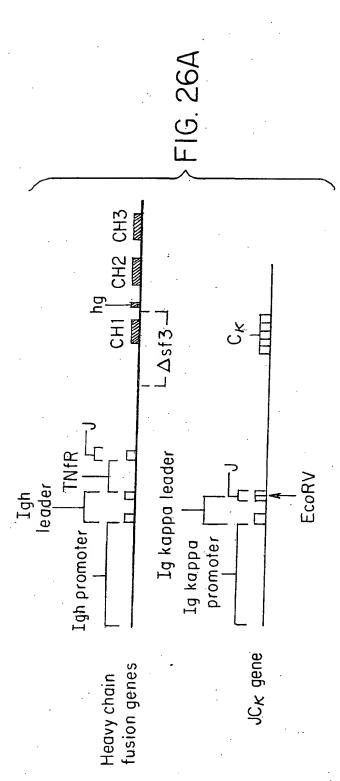
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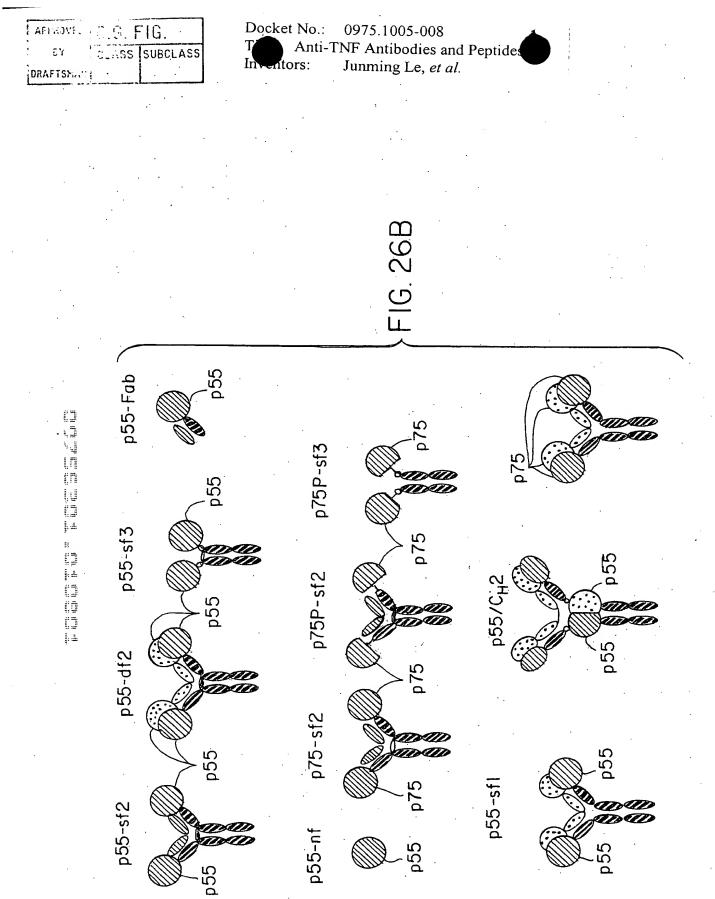


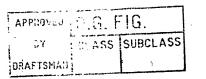
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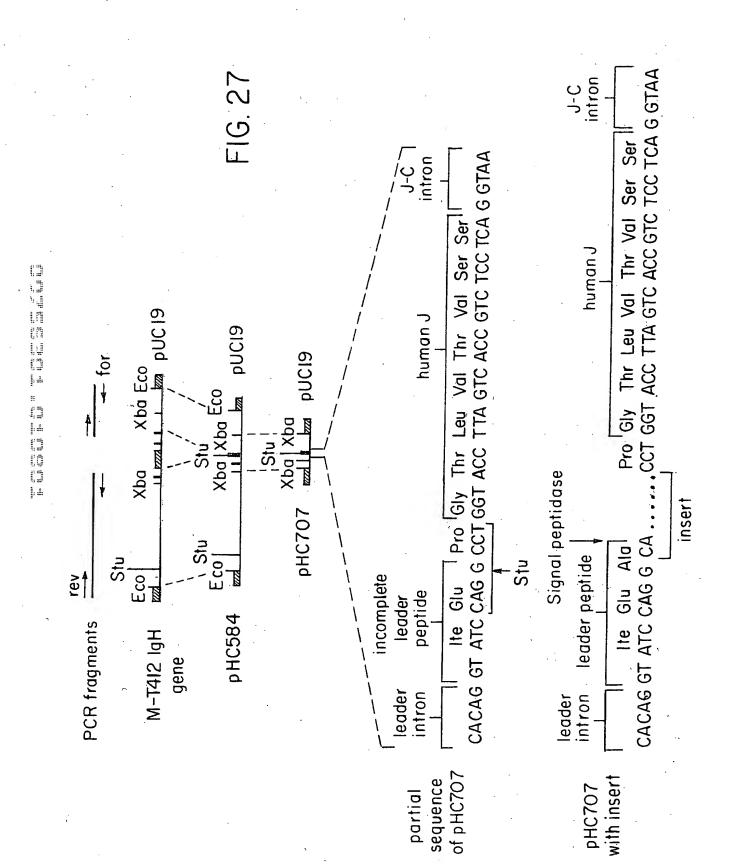




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Anti-TNF Antibodies and Peptides

Junming Le, et al.

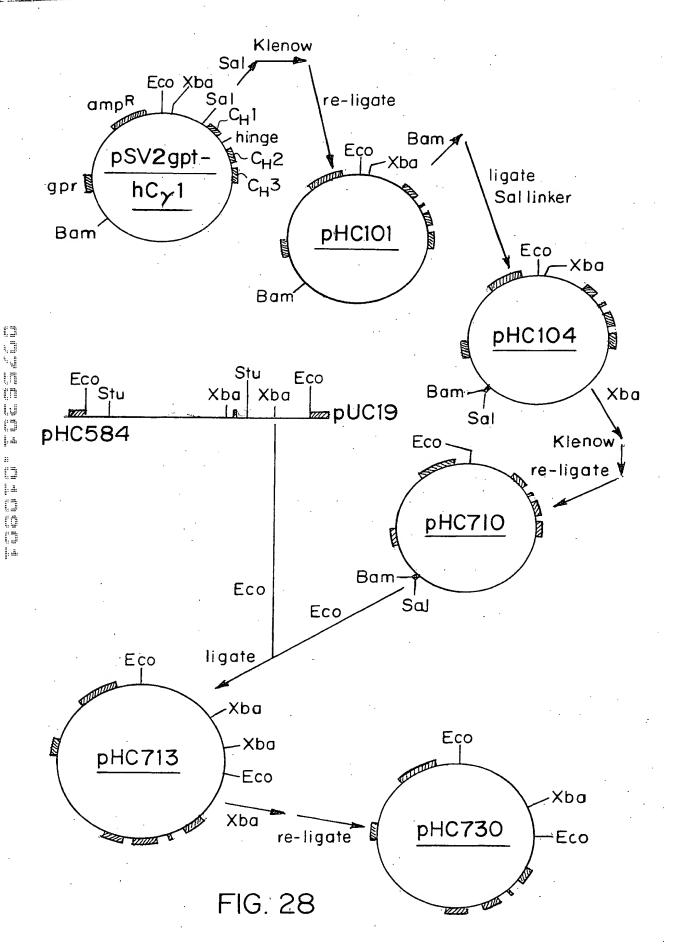


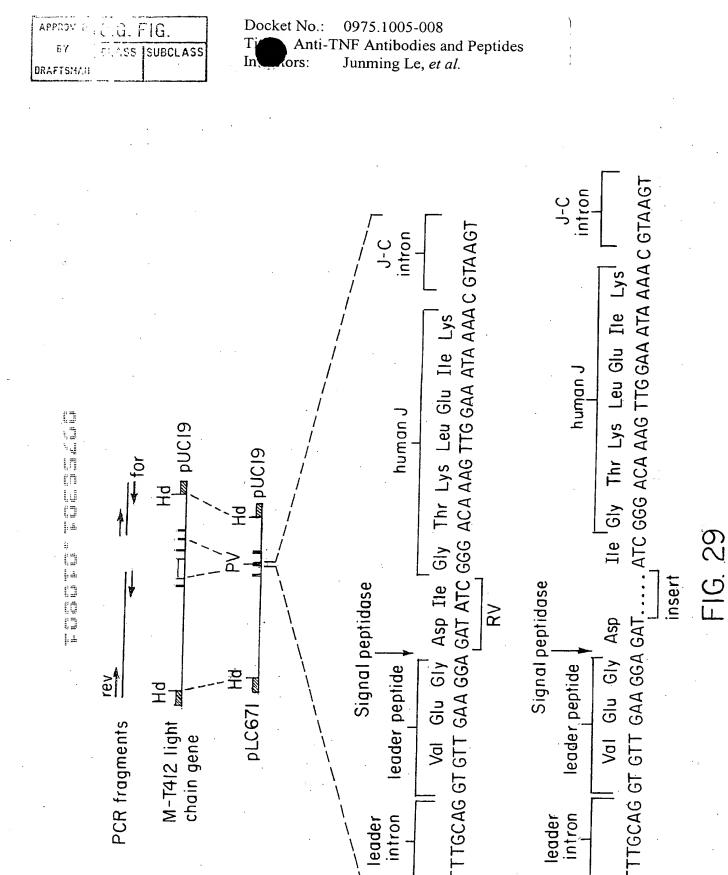
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Anti-TNF Antibodies and Peptide

Junming Le, et al.





leader peptide

intron

leader

<u>Val</u>

sedneuce ofpLC871

partial

皇

pLC671

<u>6</u>

PCR fragments

P.

M-T412 light chain gene Glu Gly Asp

Val

pLC671 with insert

leader, peptide

leader intron

PROVICE OF FIG.

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Anti-TNF Antibodies and Peptides

nors: Junming Le, et al.

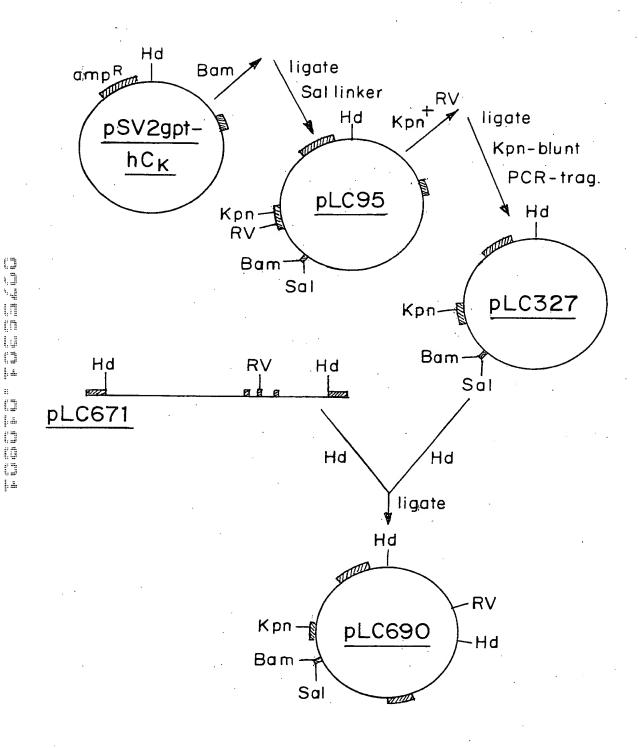


FIG. 30

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-TNF Antibodies and Peptides... Inventor

Junming Le, et al.

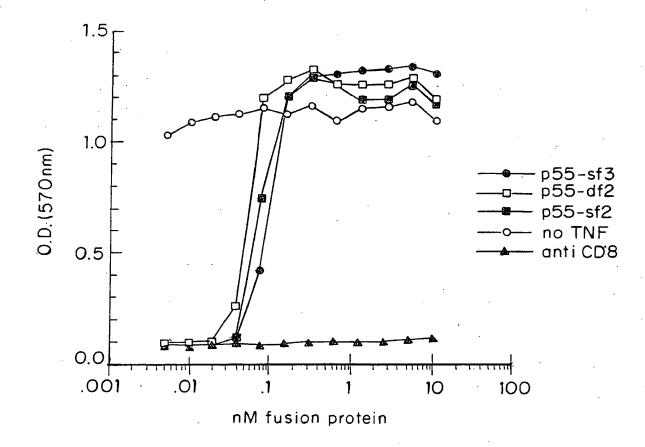


FIG. 31A

APPROVED O.G.	FIG.
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Anti-TNF Antibodies and Peptides.

Inventors: Junming Le, et al.

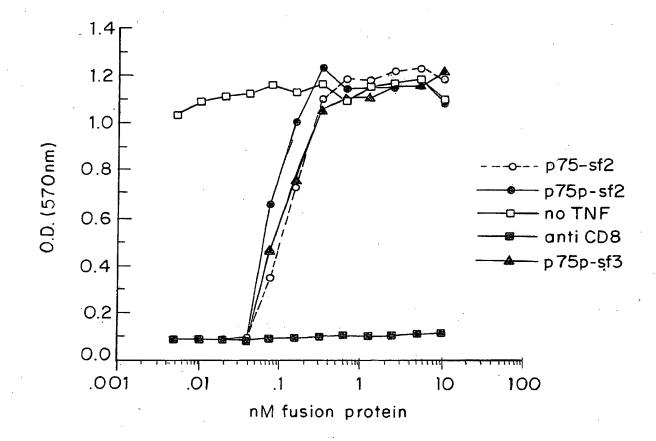


FIG. 31B

APPROV F.G. FIG.			
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Docket No.: 0975.1005-008

Anti-TNF Antibodies and Peptides... s: Junming Le, *et al*.

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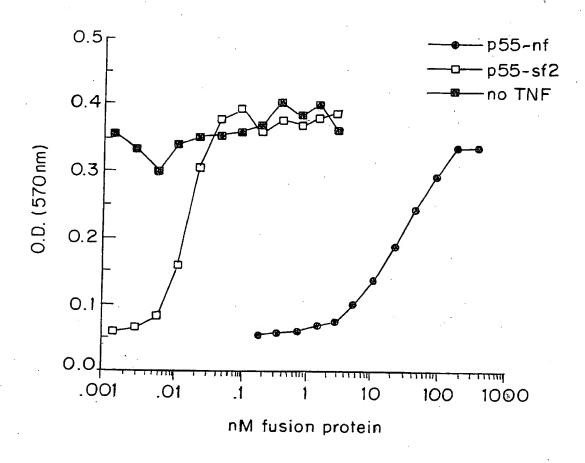


FIG. 31C

APPROVE 1	L.G.	FIG.
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Title: Anti-TNF Antibodies and Peptides...

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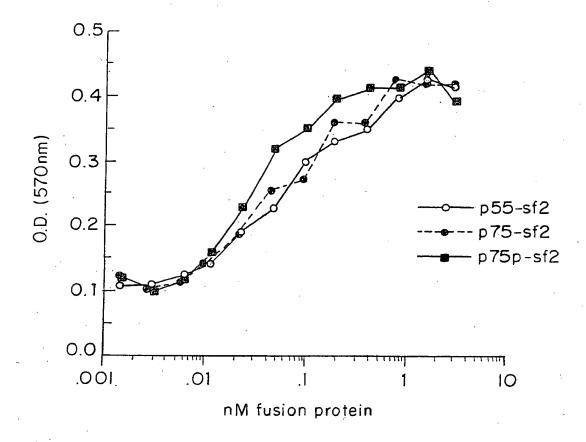
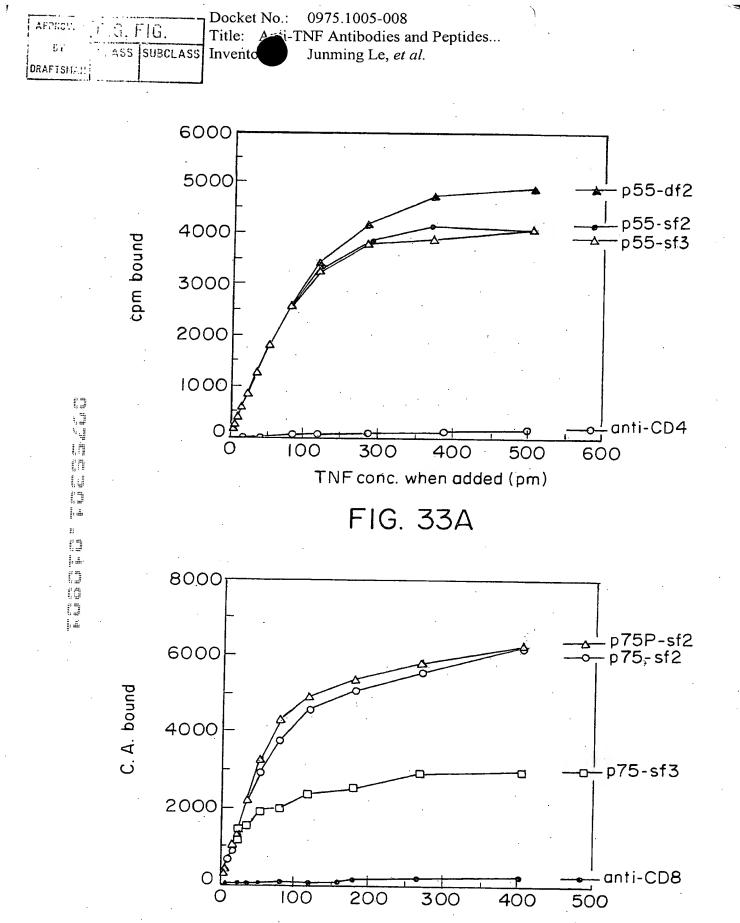


FIG. 32



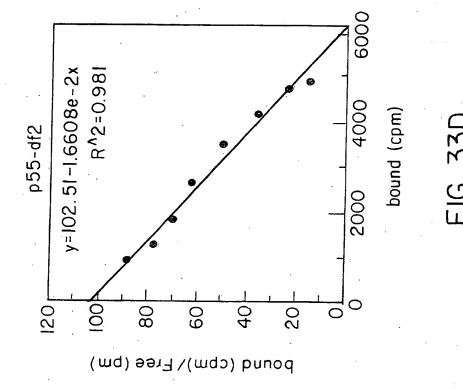
TNF conc. when added (pm)

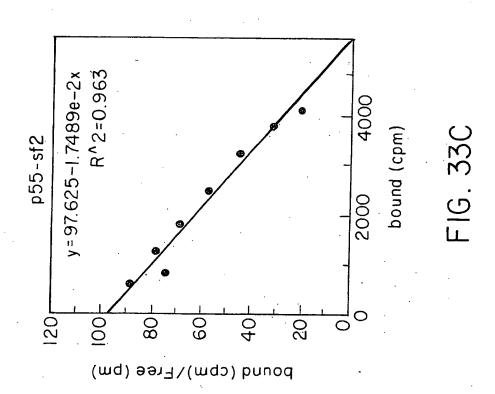
FIG. 33B

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Anti-TNF Antibodies and Peptides...

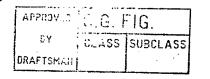
ors: Junming Le, et al.





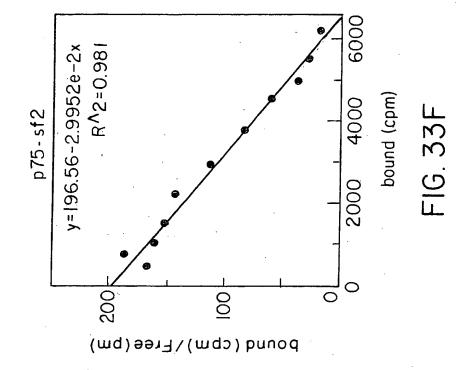
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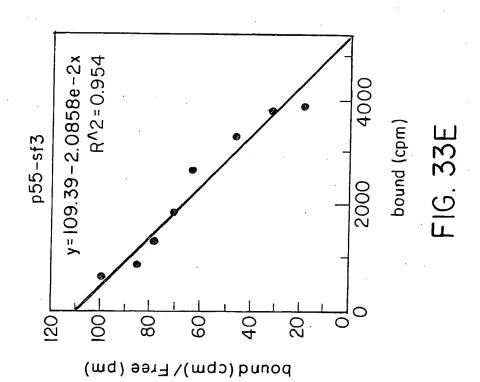
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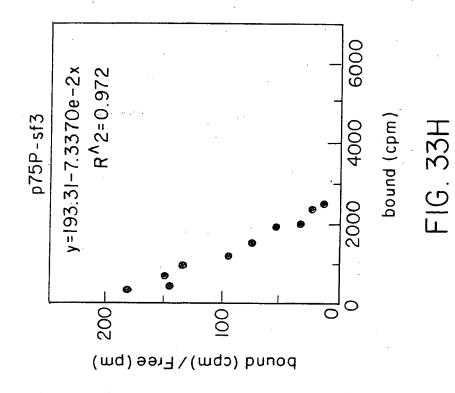


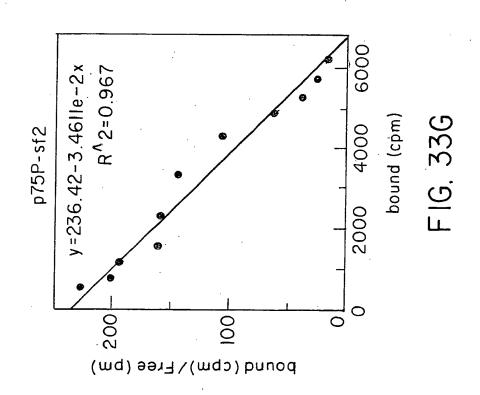
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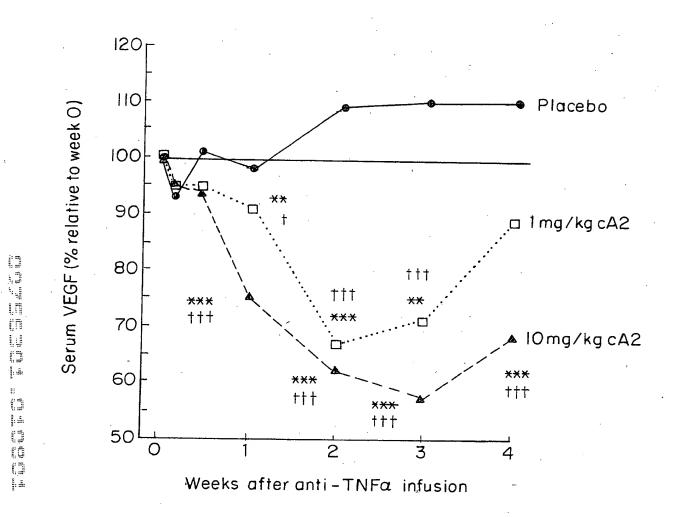




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The: Anti-TNF Antibodies and Peptidentors: Junming Le, et al. Docket



\* p $\leq$ 0.05, \*\*p $\leq$ 0.01, \*\*\* p $\leq$ 0.001 *versus* pre-infusion † p $\leq$ 0.05, ††p $\leq$ 0.01, ††† p $\leq$ 0.001 *versus* change in placebo group

FIG. 34